

Wind Gust Potential Product

LEAD AGENCY/POINT OF CONTACT: DOC, Mark Andrews, National Weather Service, Aviation Weather Services Branch, 301-713-1726 x109, Mark.Andrews@noaa.gov

TRAINING POINT OF CONTACT: Gary Ellrod, NOAA/NESDIS, 301-763-8204 ext. 140, gary.ellrod@noaa.gov

PROGRAM/PROJECT DESCRIPTION: Image products displaying numerical indices that estimate the pre-storm potential for convective microburst in both wet and dry environments using GOES sounder data. Provides more lead-time for forecasters, flight controllers, and dispatchers concerning the potential for damaging wind gusts in the airport environment.

I. TRAINING REQUIREMENTS:

A. Trainees

B. Skill Level of Designated Trainees

Air Traffic Controllers

⇒ Flight Service Station Developmental Journey Level En-Route Flight Advisor Operations Supervisor

⇒ Terminal (Radar Control/Tower) Developmental Journey Level Operations Supervisor

⇒ DoD Controller Apprentice Journeyman Craftsman

Dispatchers Operations Planner Assistant Flight Dispatcher Flight Dispatcher

Chief Dispatcher

National Trans. Safety Board Accident Investigator

DoD Forecasters/Meteorologists

Air Force

⇒ Enlisted Apprentice Journeyman Craftsman

⇒ Civilian Forecaster

⇒ Officer Entry Level Fully Qualified

Navy

⇒ Enlisted Apprentice Forecaster Forecaster Master Forecaster

⇒ Civilian Forecaster

⇒ Officer Accession Forecaster Forecaster

National Weather Service

⇒ Forecasters/Meteorologists Intern Journeyman Senior Forecaster Science and Operations Officer

Warning Coordination Meteorologist Meteorologist-in-Charge

Center Weather Service Unit Meteorologist Applied Research Meteorologist

University/Laboratory

Research Scientist

Private Sector

⇒ Researchers Master's Doctorate

C. Training Required

Familiarization Refresher Training

Basic Knowledge Basic Task Performance

Intermediate Knowledge Intermediate Task Performance

Advanced Knowledge Advanced Task Performance

II. TRAINING DEVELOPMENT/DELIVERY:

A. Training Program Status

Determination of Training Requirements (current)

Determination of Training Concept (current)

B. Training Method

Computer Based Training (Web-on-line, CD training modules) (planned)

Other: **Workshops/Seminars**

C. Training Delivery Resources

Computer Based Instruction (planned)

Operational Product

D. Training Provider

Professional Associations/Organizations

⇒ NWA (workshop/seminar)

⇒ AMS (workshop/seminar)

Federal Agency

⇒ NOAA (workshop/seminar)

Non-Government Organizations

⇒ UCAR/COMET (workshop/seminar)

E. Training Measurement

TBD

F. <u>Training References</u> TBD
G. <u>Training Completion Documentation</u> TBD
III. <u>TRAINING IDENTIFICATION/DESCRIPTION</u>
A. <u>Training Identification</u> Location: Workshops/Seminars, various sites, see section II D
B. <u>Training Length</u> 4 hours (familiarization) 8-16 hours (advanced training)
C. <u>Group Size</u> TBD
D. <u>Trainer to Trainee Ratio</u> TBD
E. <u>Point of Contact to Request Training</u> Name: Gary Ellrod Organization: NOAA/NESDIS Phone Number: 301-763-8204 ext. 140 E-mail Address: gary.ellrod@noaa.gov